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"RALEIGH AMATEUR RADIO SOCIETY NEWS"

MAY 1981 ISSUE 134

Corns' Corner

TRAFFIC NOTES

by

Bob Corns, K4MC

Net operation often requires a lot of cooperation, not only by stations in nets but by stations operating in nets.

When traffic is light, time separation keeps things in a fair state of order. During periods of heavy traffic, nets run for 30 to 45 minutes and begin to interfere with each other. This is especially true during SET operations. W1AW suffers almost every night because of stations shifting frequencies to get traffic.

MAY MEETING PROGRAM:

ANTENNAS

RARS Program Chairman Phyllis Wainwright, N4CKM, said the program for the May RARS meeting will be an ARRL antenna quiz by Bob Johnson, AA4L.

Bob said the quiz contains "all you don't know and didn't want to know" about antennas.

The meeting will begin 7:30 p.m. Wednesday, May 6 in West Community Room at Crabtree Mall in Raleigh.

For example, Carolina Net (CN) uses 3573 kH.

3567	W. Va. net
3570	12th Region net
3575	Ala. net
3577	Ohio SN
3580	W1AW
3585	SW trfc net

As stations from these nets move off frequency to receive traffic, they are very likely to get on top of a net or another station.

A copy of the ARRL net directory is nice to have to check frequency use. Of course common sense and courtesy are always good practices.

WANTED: Teletype printer. WCPE-FM, listener-supported public radio in Raleigh, seeks donation of one or more printers. Donations are tax deductible. Contact Greg, 872-7569.

MINUTES OF LAST MEETING

ANN BRADLEY, WA4APK

Secretary, RARS

The regular monthly meeting of the Raleigh Amateur Radio Society was held in the West Community Room at Crabtree Valley Mall on April 1. The meeting was called to order by President "Doc" Cobb, W4YZX, and members and guests were welcomed. Guests this evening were Johan and Maria de Nyis of Wake Forest, Todd and John Westra of Youngsville and Janet Baldwin, Wade Stone, and Bill Jackson, KA4OXP, all of Raleigh. The roster was signed by 53 persons.

President Cobb made the following announcements:

- ARRL membership will be increased to $25.00 per year beginning July 1. Members may renew at the present rate for up to 3 years. If renewal is made through RARS, the club's discount of $1.50 will be passed on to club members and may be deducted from the renewal fee. Forms are available from the club.
- Doc asked for volunteers to take overthe coffee and doughnut responsibility for the next three

months. Murray Hake, W6MVZ, has done an outstanding job for the first quarter and members showed appreciation with a round of applause.

-Members were reminded of the Roanoke Division ARRL Convention in Virginia Beach Sept. 26-27. More information will be available as the time draws nearer.

President Cobb asked for reports from the following committees:

-Repeater - In the absense of the chairman, Lowell Anderson reported that the committee has made some important discoveries recently toward solving the current problems. The main trouble seems to be interference from other equipment on the tower--nine other commercial repeaters. It will also be necessary to make a tower climb when the weather is suitable in order to check out the antenna, connections, etc. These problems need to be solved before compounding them with the addition of the auto-patch.

-Hamfest - Rollin Ransom, NF4P, reported that hamfest plans are progressing smoothly. Things are beginning to fall into place. The Chairmen are obviously on top of their jobs. Various chairmen were called upon and given an opportunity to make pertinent announcements and solicit help for their various duties. With two North Carolina Hamfests canceled this year, RARS Hamfest should draw a big crowd. Members were again reminded that the Hamfest is the principle support of the club and it requires a lot of hands and heads and strong backs to make it work.

The program this evening was an excellent film from Bell Laboratories called "Three Degrees", concerning the Big Bang Theory. It was a most interesting film and well received by the membership.

The doorprize, a TI 1030 Calculator was won by Ed Paris, WA4AAV. The meeting was adjourned following coffee, doughnuts and fellowship.

BERT'S BEAT WITH BERT BAILEY, W4FMN

TOWERS CAVEATS

Having erected a few towers in my time, I thot perhaps some of my experiences might save a few torn thumbs, cut members and worse. First, never climb a tower until you have insured it cannot drop dowm while you are up there in space. Install some form of brake or, at least, shove a 2X4 in each section

before you mount. At Wake Tech a few summers ago, I disobeyed this caveat. One day I climbed the crank-up and repaired a sagging dipole and I dismounted safely.The very next day, I was supervising some ARC members about to crank the tower down, when CRACK'. BAM: That sonofagun slammed into the ground and whistled Dixie. I would have been on that beast in most likelihood except I was read- a poopsheet I had just recei ved from my office.What delightful perusal: I thot of my toes, my fingers and other things that were there yesterday. I wondered what I would have done---jumped and impale myself on the cyclone fence or stayed with it and lost toes, fingers, etc. So,don't trust the elevating wire.It was not designed to hold up the tower.Check guy wires on a regular basis.Even stainless steel can rust.Too much tension is as bad as too much loose play.Tension on the guys means compression to the tower and it must support that too. Sand or brush guys with rust and spray on preservative.All kinds abound in local hardware stores.Do NOT run the ground rod(s) thru concrete at the base.Not only can lightaing crack the block but it can EXPLODE it. Remember, concrete has water in it and that, with takusan volts can spell"Charge 7, On the Way!" After much reflection, maybe dipoles and inverted Vees aren't all bad?

MARS

Military Affiliate Radio System--that's what it is.Over 50 years old, it was started by the granddaddy of all the fighting arms--the US Army, familiarly known as the Ground gaining arm.It was started back in 1925--Iremember it well(?).Back then it was called the Army Amateur Radio System or, guess what, the AARS. In 1946 the AARS was reactivated after having closed down during WWII(wonder why?) and in '48, the Air Force was included and so the name had to change.Now it was as we know it today, MARS. In '62 the Navy and Marine Corps were added and by '75, MARS included over 14K members.The mission of MARS is to;(1) provide DOD sponsored emergency, uhclas. commo on a nationalbasis, (2)Aux commo for military, civil and disaster personnel during emergency situations, (3) A reserve of trained comm municators for military servive if needed, and (4) a means to enhance morale by passing traffic for the US Armed Forces.

FOR SALE: Equipment from estate of Silent Key, including tower. Asking price for equipment package, $900.00, as is, where is. No items sold separately. Call (919) 847-6668.

1. Heathkit Cheyenne MT-1
2. Heathkit SB-301
3. Heathkit SB-401
4. Hallicrafters Mod. SX-43
5. Hallicrafters Mod. R-44
6. RCA O-Scope WO-33A
7. Reflected Power Meter Heathkit HM-11
8. Heathkit HM-102
9. C.D.E. Rotor Control Mod. HAMII CD-44
10. Speaker (External)
11. Power Line Monitor
12. Heathkit HP-20
13. Head Phones - TELX 1955-00
14. Microphone - Astatic JT-30C
15. Microphone - ElectroVoice - Mod. 423-A
16. Dummy Load - Heathkit Mod. HN-31 R-F Cantenna
17. Cal Comm SWR Meter 9856
18. Hustler Antenna 10M, 15M, 20M (4BVD)
19. Two Rotors
20. DiPole Antenna
21. 50' Tower with crank, 3 sections, 1" tubular galvanized steel/Rotor/3-Element Beam

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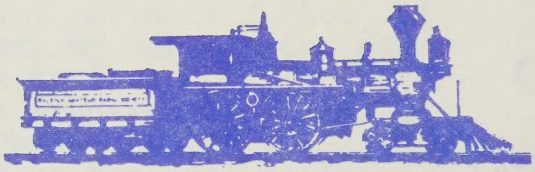

RARS meets each first Wednesday at 7:30 p.m. in the West Community Room of Crabtree Valley Mall.

Calendar

May 6
Regular RARS meeting

May 9, 10
ARRL Roanoke Division planning meeting, Falls Church, Va.

May 16, 17
Durham, N.C. Hamfest

May 20
RARS Advisory Board meeting

May 30, 31
CQWW WPX contest, CW

June 3
Regular RARS meeting

June 7
Manassas, Va. Hamfest

June 20, 21
Atlanta, Ga. Hamvention

June 27, 28
Annual ARRL Field Day